Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	(US-20020013846-\$ or US-20030093479-\$ or US-20030005174-\$).did. or (US-7003695-\$ or US-6704737-\$ or US-6721767-\$ or US-6839896-\$ or US-6185577-\$ or US-6925476-\$ or US-6785722-\$ or US-5758154-\$).did.	US-PGPUB; USPAT	OR .	OFF	2006/12/15 15:11
S2	276873	(change or rollback or redo or undo) with (action or operation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:33
S3	2270	record with (change or rollback or redo or undo) with (action or operation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:33
S4	67	record with (change or rollback or redo or undo) with (action or operation) with (relationship or relation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:36
S5	0	record with (change or rollback or redo or undo) with (action or operation) with (relationship or relation) and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:35
S6	Ó	record with (change or rollback or redo or undo) with (action or operation) same (relationship or relation) and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:36
S7	229	record with (change or rollback or redo or undo) with (action or operation) same (relationship or relation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:36

\$8	2	record same (change or rollback or redo or undo) with (action or operation) same (relationship or relation) and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:38
S9	3	("6108668").URPN.	USPAT	OR	OFF	2006/12/06 09:37
S10	12	record same (change or rollback or redo or undo) with (action or operation) same (relationship or relation) same (log or logging)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:40
S11	41	record same (change or rollback or redo or undo) with (action or operation) same (relationship or relation) same log\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:42
S14		record\$3 same (change or rollback or redo or undo) same (action or operation) same (relation\$4) same log\$4 and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:50
S15	67	record\$3 same (change or rollback or redo or undo) same (action or operation) same (first and second) and (relation\$4) and log\$4 and "707". clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:55
S16	8	record\$3 same (change or rollback or redo or undo) same (action or operation) same (first and second) same (relation\$4) and log\$4 and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:51
S17	6160	(plurality or multiple) with application same (change or rollback or redo or undo) same (action or operation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 09:56

		·				
S18	197	(plurality or multiple) with application same (change or rollback or redo or undo) same (action or operation) and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 09:56
S19	62	(plurality or multiple) with application with (change or rollback or redo or undo) same (action or operation) and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 09:57
S20	36	(plurality or multiple) with application with (change or rollback or redo or undo) with (action or operation) and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 09:57
S21	8	(plurality or multiple) with application with (rollback or redo or undo) with (action or operation) and "707".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 09:59
S22	6	(plurality or multiple) with application same (rollback or redo or undo) with (action or operation) and "707".clas. not S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 10:02
S23		(plurality or multiple) with application same (rollback or redo or undo) same (action or operation) and "707".clas. not (S21 or S22)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/12/06 10:02
S24	45	(plurality or multiple) same application same (rollback or redo or undo) same (action or operation) and "707".clas. not (S21 or S22 or S23)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 15:59

S25		(plurality or multiple) same application same (rollback or redo or undo) same (related or relationship) and "707". clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 10:11
S26	6	(first and second) same application same (rollback or redo or undo) same (related or relationship) and "707". clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 10:13
S27	31	(first and second) same application same (rollback or redo or undo) same (related or relationship)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 10:13
S28	3682	(plurality or multiple) same application same (action or operation) with (replace\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 16:00
S29	55	(plurality or multiple) same application same (action or operation) with (replace\$4) and ("705".clas. or "707". clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR ·	ON	2006/12/14 16:05
S30	20	(plurality or multiple) with application same (action or operation) with (replace\$4) and ("705".clas. or "707". clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 16:59
S31	249	(plurality or multiple) with application same (action or operation) with (replace\$4) and (change or rollback or redo or undo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 16:59

Page 4

S33	66	(plurality or multiple) with application same (action or operation) with (replace\$4) same (change or rollback or redo or undo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:00
S34	2	(plurality or multiple) with application same (action or operation) with (replace\$4) same (change or rollback or redo or undo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:00
S35	0	(plurality or multiple) with application same (action or operation) with (replace\$4) same (rollback or redo or undo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:01
S36	1	(plurality or multiple) with application same (action or operation) same (replace\$4) same (rollback or redo or undo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:01
S37	75	application same (action or operation) same (replace\$4) same (rollback or redo or undo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:08
S38	17	application same (action or operation) same (replace\$4) same (rollback or redo or undo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:02
S39	58	application same (action or operation) same (replace\$4) same (rollback or redo or undo) not S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:12

S42	232	(multiple or plurality) same application same (action or operation) same (rollback or redo or undo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:30
S43	136	(multiple or plurality) same application same (action or operation) with (rollback or redo or undo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:13
S44	. 64	(multiple or plurality) same application same (action or operation) with (rollback or redo or undo) and ("705". clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 17:13
S45	11	(US-20030005174-\$ or US-20020013846-\$ or US-20030093479-\$).did. or (US-7003695-\$ or US-6925476-\$ or US-6839896-\$ or US-5758154-\$ or US-6785722-\$ or US-6704737-\$ or US-6721767-\$ or US-6185577-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/15 14:27
S46	571	application same (rollback or redo or undo) same (select\$4 or pick or choose)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:32
S47	92	application with (rollback or redo or undo) with (select\$4 or pick or choose)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/12/15 14:33
Ş48		application with (rollback or redo or undo) with (select\$4 or pick or choose) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/12/15 14:38

S49	11022	(operation or action) with (related or relationship) and ("705".clas. or "707". clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:18
S50	49	(record or log\$3) with (change or rollback or redo or undo) with (operation or action) with (related or relationship) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:42
S51	13	(record or log\$3) with (operation or action) with (related or relationship) same (rollback or redo or undo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:49
S52	1318	(register or registration) same (record\$3 or log\$3) with (operation or action) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:50
S53	804	(register or registration) with (record\$3 or log\$3) with (operation or action) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:50
S54	1	(register or registration) with (record\$3 or log\$3) with (operation or action) same (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/12/15 14:51
S55	17	(register or registration) same (record\$3 or log\$3) same (operation or action) same (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717". clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:57

S56		(register or registration) same (record\$3 or log\$3) same (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:57
S57	49	(register or registration) same (record\$3 or log\$3) same (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.) not S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:00
S58	24	(record\$3 or log\$3) same (action or operation) with (related or relation or relationship) same (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717". clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR :	ON	2006/12/15 15:05
S59	112	(record\$3 or log\$3) with (action or operation) with (related or relation or relationship) and (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717". clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:06
S60	· · 11	(US-5745750-\$ or US-6879989-\$ or US-6915316-\$ or US-6671757-\$ or US-6757696-\$ or US-6473767-\$ or US-6938042-\$ or US-6694336-\$ or US-6654912-\$ or US-6925476-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/15 15:11
S61	2	("system-wide" or "network-wide") with (operation or action) with (log\$3 or record\$3) and ("705".clas. or "707". clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:20
S62	10	("system-wide" or "network-wide") same (operation or action) with (log\$3 or record\$3) and ("705".clas. or "707". clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:23

S63	305	(global) same (operation or action) with (log\$3 or record\$3) and ("705". clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:24
S64	152	(global) with (operation or action) with (log\$3 or record\$3) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/12/15 15:25
S65	51	(global) with (operation or action) with (log\$3) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:26
S66	27	(global) with (operation or action) with (log or logging) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:44
S67	2.	"6721767".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:34
S68	1	("6721767").URPN.	USPAT	OR	OFF	2006/12/15 15:34
S69	11	("4751639" "5005122" "5204958" "5212772" "5347653" "5448724" "5638509" "5673381" "5761677" "5778395" "6148412").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/15 15:36
S70	16	(global) with (operation or action) with (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:50

S71	12	(global) with (log or logging) with (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/12/15 15:57
S72	269	(system) with (log or logging) with (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:58
S73		(system) with (log or logging) with (action or operation) with (rollback or roll adj back or undo or redo) and ("705".clas. or "715.clas" or "717".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:01
S74	29	(system) with (log or logging) with application with (rollback or roll adj back or undo or redo) and ("705".clas. or "707".clas. or "715.clas" or "717". clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:01
S75	2	"6,343,275".pn. "6,625,651".pn.	USPAT	OR	OFF	2006/12/15 16:54
S76	7	"5,745,110".pn. "6,567,840".pn. "6, 519,763".pn. "6,510,451".pn. "6,505, 162".pn. "6,408,277".pn. "6,035,278". pn.	USPAT .	OR	OFF	2006/12/15 16:57

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A Dix

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... Application. Undo mechanisms can get quite sophisticated, ranging from the simple

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T.Berlage, A Genau - Proceedings of the 6th annual ACM symposium on User ..., 1993 - portal.acm.org

... are several advantages if a graphical interactive application remembers the interaction

history in addition to the current state. Undo and redo enable the user ...

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... can be recovered with greatly reduced application state Rushing because we instead

rc- play them. Recovery is accomplished via database redo recovery in which ...

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editors - group of 4 »

M Ressel, D Nitsche-Ruhland, R Gunzenhäuser - Proceedings of the 1996 ACM conference on Computer

supported ..., 1996 - portal.acm.org

... ie, multi-user applications for coopera- tive work [2, 5], present remarkable

challenges for application designers. Concurrency control and group undo are two ...

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A selective undo mechanism for graphical user interfaces based on command objects - group of 4 »

T Berlage - ACM Transactions on Computer-Human Interaction (TOCHI), 1994 - portal.acm.org

... is what most existing applications offer. However, in multiuser applications ... Leeman

[19861 presented two models for linear undo without a redo operation. ...

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A Karsenty, M Beaudouin-Lafon - Distributed Computing Systems, 1993., Proceedings the 13th ..., 1993 -

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... algorithm that gives the best response time for the interface and, using the semantics

of the application, reduces the number of undo and redo operations when ...

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AB Brown, DA Patterson - Proceedings of the USENIX 2003 Annual Technical Conference. ..., 2003 -

usenix.org

... of a system's hard state, and "redo" is implemented ... about the correctness of the undoable application service. ... ability to formally analyze the undo process, it ...

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M Ressel, R Gunzenhäuser - Proceedings of the international ACM SIGGROUP conference on ..., 1999 - portal.acm.org

... Finding transformation rules for other applications is still a matter of research ...

would then be reserved for a command and all following **undo** or **redo** commands ... Cited by 27 - Related Articles - Web Search

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GD Abowd, AJ Dix - Interacting with Computers, 1992 - comp.lancs.ac.uk ... redo and skip are not considered further in this paper as ... As the application is unaware that there is more than one source of commands, any undo supported will ... Cited by 60 - Related Articles - View as HTML - Web Search

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LR Rabiner - Proceedings of the IEEE, 1989 - ieeexplore.ieee.org ... a system which will opti- mally remove the noise and **undo** the transmission ... However, widespread understanding and **application** of the theory of HMMs to speech ... Cited by 4661 - Related Articles - Web Search

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